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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		A	ATTORNEY DOCKET NO.	
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CORPORE REPRESENTA		ta kanada kanada ka	F-12 (1.16)			
75 100 133.3 GCEYANDENA VA 22936			[ART UNIT	PAPER NUMBER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

6.3 61.53

SEE ATTACHMENT.



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ATTY DOCKET NO FIRST NAMED APPLICANT APPLICATION NUMBER FUNGICATE EXAMINER PAPER NUMBER ART JNIT

DATE MAILED:

This is a communication from the examiner in charge of your application

COMMISSIONER OF PALENTS AND TRADEMARKS						
OFFICE ACTION SUMMARY						
2-2-00						
Responsive to communication(s) filed on						
This action is FINAL .						
Since this application is in condition for allowance except for formal matters, prosecutio accordance with the practice under <i>Ex parte Quayle</i> , 1935 D.C. 11; 453 O.G. 213.						
A shortened statutory period for response to this action is set to expire whichever is longer, from the mailing date of this communication. Failure to respond within the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtain 1.136(a).	month(s), or thirty days, ne period for response will cause ed under the provisions of 37 CFR					
Disposition of Claims						
X Claim(s)	is/are pending in the application.					
Claim(s)	is/are withdrawn from consideration.					
☐ Claim(s)	is/are rejected.					
Chairm (a)	is/are objected to:					
Claim(s) are so						
Application Papers See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948. The drawing(s) filed on	to by the Examineris approved disapproved.					
Priority under 35 U.S.C. § 119						
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d)						
All Some* None of the CERTIFIED copies of the priority documents ha	ve been					
ズ received.						
received in Application No. (Series Code/Serial Number) received in this national stage application from the International Bureau (PCT Rule	17 2(a))					
*Certified copies not received:						
Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e)						
Attachment(s)						
Notice of Reference Cited, PTO-892						
Information Disclosure Statement(s), PTO-1449, Paper No(s)						
Interview Summary, PTO-413						
Notice of Draftperson's Patent Drawing Review, PTO-948						
Notice of Informal Patent Application, PTO-152						
SEE OFFICE ACTION ON THE FOLLOWING PA	AGES					

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Art Unit: 2834

Claims 4-6 and 17-19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims are vague and indefinite in that it is unclear whether or not a fixing layer is included in the completed finished device claimed. It is unclear whether applicant is attempting to claim an intermediate product, separate from the finished structure of e.g. claims 1 and 14. Thus one cannot determine the metes and bounds of these claims.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 2, 4-7, 14, 15 and 17-20 are rejected under 35 U.S.C. 102(a) as being cleary anticipated by Ogiso (fig. 16), Nakata (fig. 9), Japan (077) (fig. 2) or Japan (821)(figs. 4, 5)...

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ogiso or Japan (821) in view of Japan (409). Ogiso (fig. 16) and Japan (821) (figs. 4 & 5) teach the

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claimed resonator structure except for the exact tapered cross-section for the connection portion.

Japan (409) teaches providing a tapered shape to aid in assembly and allow for different piezoelectric sizes. Thus, for at least these reasons it would have been obvious to one of ordinary skill in the art to provide Ogiso or Japan (821) with a tapered connection section.

Further cited of interest are Scott, Pennybacker, Ishigami, Kreutzev and German.

Applicants general traversal of the lack of unity "holding is noted. It is noted hower that the method steps do not recite special technical relationship in that the U-shape opening is explicitly included in the resonator structure. In the method, the only a <u>steps</u> recited are attaching, providing a gap and forming a connecting layer.

Budd/dc February 25, 2000 CUIT 212